

REQUEST FOR ENGINEERING INFORMATION (REI)

1. ORIGINATOR NAME/PHONE NO. ROBERT FREEMAN DSN 695-4743	2. ORIG. CODE DSCR-JGTA	3. CONTRACT OR SCHEDULE NUMBER	4. REI NUMBER 01-16003
5. NSN/PART NOMENCLATURE 6685-01-285-4672 PYROMETER ASSEMBLY	6. DWG./PART NO. AFFECTED 92611-10 (80020)	7. MODEL/END ITEM MARK 7 ARRESTING GEAR	8. REQUEST DATE 02/12/01
9. SUPERVISOR	10. INSPECTOR	11. REFERENCE DOCUMENT DSCR CASE # 07-01-02761	PAGE 1 OF 8

DESCRIPTION OF PROBLEM

12. IF NO TDR IS REQUIRED, PLEASE SUPPLY THE LATEST REVISION DRAWING WITH MINIMUM QUALITY REQUIREMENTS. BE IT 100% DIMENSIONAL IN ACCORDANCE WITH DRAWING.

PLEASE SUPPLY THE LATEST TDR FOR THE SUBJECT NSN, INCLUDING THE LATEST DRAWINGS, QM1006 QUALITY REQUIREMENTS CHECKLIST, AND ANY ADDITIONAL QUALITY/TECHNICAL PROVISIONS. IN ADDITION, PLEASE IDENTIFY THE AMC/AMSC, IF THIS IS A CRITICAL ITEM, AND IF A FAT AND/OR A PAS ARE REQUIRED.

NO PREVIOUS TDR.

POC FOR THIS REQUEST IS WILLIAM SCHWARZ, 717-605-4809 AT NAVICP-M.

NAVAIR COMMENT

13. CRITICALITY OF ITEM: (PICK ONE) CSI: CAI: X NONE:


14.

PREAWARD SURVEY (PAS) IS **NOT** REQUIRED

FIRST ARTICLE TEST (FAT) IS **NOT** REQUIRED

AMC/AMSC: 3/C

TDR PROVIDED BEGINNING PAGE 2.

15. CHANGE DRAWINGS No MANUALS No MRC's No ECP REQ'D No	16. NAVAIR COMMENT PREPARED BY Gary Zeichner 	PHONE NUMBER 732-323-1658	DATE 4/4/01	CODE 4.8.10.2
	17. NAVAIR COMMENT APPROVED BY Rich Kotelnick	PHONE NUMBER 732-323-1582	DATE 4/4/01	CODE 4.8.10.2

Revision date: 11/8/00

(ENCL 1)

92611-10

REVISION 21

IN NOTE 16, SAE AS478, CLASS A OR B (SUPERSEDING "MIL-STD-130").

IN NOTE 18, SAE AS478, CLASS A OR B (SUPERSEDING "MIL-STD-130").

NOTE 1:

SECTION 326 OF THE 1993 DEFENSE AUTHORIZATION ACT PLACES RESTRICTIONS ON THE USE OF CLASS I OZONE DEPLETING SUBSTANCES (ODS). UNTIL SUCH TIME AS THESE CLASS I ODS'S ARE ELIMINATED FROM MILITARY DRAWINGS AND SPECIFICATIONS (INCLUDING SECOND TIER, I.E., THOSE SPECIFICATIONS LISTED IN THE SPECIFICATIONS LISTED ON THE DRAWINGS), THE FOLLOWING SHALL APPLY:

1. THE CONTRACTOR SHALL USE A GOVERNMENT APPROVED NON-OZONE DEPLETING SUBSTANCE.

2. IF A GOVERNMENT APPROVED NON-OZONE DEPLETING SUBSTANCE IS UNKNOWN/ UNAVAILABLE, THE CONTRACTOR SHALL CONTACT 4.8.1.4 AT NAWCAD LAKEHURST FOR AN ACCEPTABLE SUBSTITUTE, AN ALTERNATE PROCESS OR A WAIVER OF THE REQUIREMENT.

SEE ATTACHED PAGES FOR QUALITY ASSURANCE REQUIREMENTS.

Ser 4.8.13B148-2/01-16003
16 March 2001

From: Head, Prototype Manufacturing and Quality Assurance Division
Naval Air Systems Command, Lakehurst, NJ (4.8.13)
Hwy #547, Lakehurst, NJ 08733-5125

To: Commanding Officer, Naval Inventory Control Point, Philadelphia
Attn: Code 03324, Lucy Forgione
700 Robbins Avenue, Philadelphia, PA 19111

Subj: Pyrometer Assy., P/N 92611-10, NSN 6685-01-285-4672

Encl: (1) QM1006 #01-16003

1. The Quality Assurance requirements for the subject procurement are listed in enclosure (1) and shall be used in conjunction with REI 01-16003
2. Any deviations from these quality requirements will need prior approval from Naval Air Systems Command, Lakehurst, Code 4.8.13.2.
3. If you have any questions on this matter or additional information is required, please advise.


RICH HEADLEY

**NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION LAKEHURST
QUALITY ASSURANCE BRANCH
PROTOTYPING AND MANUFACTURING DEPARTMENT**

SUPPLEMENTAL CONTRACT QUALITY REQUIREMENTS

The following requirements are provided herein to assist the Procurement Contracting Officer in the preparation of solicitation and contract documents; and to supplement the Technical Data Requirements (TDR) package referenced below for inclusion of said requirements into all associated solicitation documents and subsequent contract awards for purposes of assuring the adequacy of contractor quality assurance functions and processes; and to identify critical Engineering Support Activity (ESA) support actions occurring through-out the source selection and procurement cycle.

I TDR NUMBER: 01-16003

II ITEM DESCRIPTION

Description: Pyrometer Assy.

NSN 6685-01-285-4672

P/N 92611-10 Critical (CIC=Y)

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IV NAWC POINT OF CONTACT:

Robert Pizzella is the cognizant Quality Assurance Specialist representing the Naval Air Warfare Center Aircraft Division Lakehurst (NAWCADLKE) for all relevant QA matters related to this procurement action. He may be reached by telephone on 732-323-5101; by telefax on 732-323-1381; or via the email at pizzellarh@NAVAIR.NAVY.MIL.

PREPARED BY :

Robert Pizzella

APPROVED BY:

Mark Barclay

A: DIRECTION TO THE CONTRACTING OFFICER/PCO

The following direction is provided to the contacting officer to identify capable sources for this procurement action, to determine points of inspection and acceptance, and identify the QALI originating activity.

1. Source Selection:

a. Formal NAWC Quality Assurance engineering source approval is not required for this item. The contractors listed below are known to be recent, past, successful suppliers of the item or similar items of ALRE/SE being procured and may be awarded contracts without further consideration. Conducting preaward surveys and/or post award conferences is at the option of the PCO. Accordingly, NAWC Quality Assurance Personnel are available to assist in the process of establishing appropriate sources and provide advice on quality performance of potential sources offering bids for this item of ALRE/SE. Regarding instances when there are sources identified on the drawing, unless cited below, there is no current performance history for these vendors and NAWC offers no endorsement of these vendors.

- a. Alnor Instrument Co., Skokie, IL 60077-3223 (Cage 01518)

2. Inspection and Acceptance:

- a. Inspection for this item of ALRE/SE shall be at source by the cognizant DCMA QAR (Ref. Note #14).
- b. Acceptance for this item of ALRE shall be at source by the cognizant DCMA QAR.

3. Quality Assurance Letter of Instruction:

- a. Upon contract award for this item of ALRE/SE, NAWCADLKE Quality Assurance branch will issue a Quality Assurance Letter of Instruction (QALI) to the cognizant contract administration office (normally DCMA) delineating the specific quality requirements to be performed by the Quality Assurance Representative (QAR).

4. Documentation:

- a. To facilitate Engineering Support Activity Quality Assurance functions, NAWCADLKE Quality Assurance branch requires an information copy of the solicitation and the contract documents associated with this procurement action.

B: CONTRACT QUALITY REQUIREMENTS

The following requirements may be included verbatim in the solicitation and contract documents associated with this procurement action or may be invoked using similar language that ensures these same provisions form a requirement of any subsequent procurement action.

1. Quality Assurance Standards:

The Quality Assurance standard for this procurement is FAR 52-246-11; Higher Level Inspection System. The contractor shall have and maintain a quality assurance program meeting the requirements of ANSI/ASQC Q9002, MIL-I-45208A, or a recognized industry standard or process control system that is equivalent or better. (FAR 52-246-2 is also applicable).

2. Note to Contractor, NAWCADLKE Visitation Clause:

Because of the critical nature of this material, a representative of the Naval Air Warfare Center Aircraft Division Lakehurst (NAWCADLKE) is available to furnish technical assistance on Quality Assurance (QA) matters and shall have the option of conducting QA surveillance for the first lot produced under this contract (and all subsequent lots if necessary). This requirement will be performed in conjunction with the Quality Assurance Representative (QAR) of the cognizant Defense Contract Management Command and does not abrogate the authority or responsibility of the designated QAR. The contractor agrees to notify, in writing, the supervisor of the QA section Code, 4.8.13. 2, Lakehurst, NJ 08733-5035 when material is scheduled to be presented to the DCMC QAR for Government inspection and acceptance. This notice shall afford the NAWCADLKE QA representative the option of being present during the inspection. Notification may be provided via telephone (732)-323-7504 immediately followed by written conformation, or via facsimile transmission (FAX 732-323-1381). A minimum of fourteen (14) working days is required to arrange such a visit.

3. Government Unique Requirements:

The following requirements are unique to US Government contract circumstances and supplement the ISO 9000 (or ANSI/ASQC 9000) series of Quality standards.

a. Government Furnished Material/Equipment;

The contractor's quality system shall establish procedures to ensure the adequate storage, maintenance, and inspection of Government property furnished under the terms of the government furnished property clause.

b. Government Source Inspection:

The Government reserves the right to inspect at source, those supplies and services not manufactured or performed with the contractor's facility. Such inspection can only be requested by or under the authorization of the Government Representative. When Government inspection is required, the contractor shall add to his purchasing document the following statements:

"Government inspection is required prior to shipment from your plant. Upon receipt of this order, promptly notify the Government Representative who normally services your plant so that appropriate planning for Government inspection can be accomplished."

The contractor must also have procedures that ensure that the Government Representative is afforded the opportunity to review all purchasing documents and that when Government Source inspection is requested, a copy of the applicable purchasing document/order is furnished to the Government Representative.

4. Configuration Control:

Configuration control in accordance with MIL-STD-973 is required. The technical data for the baseline configuration to be used for this procurement is:

NAWCADLKE drawing(s) and errata sheets (TDRs). ECP's, waivers, and deviations submissions are permissible. The approval authority for all class I and class II waivers and deviations shall be NAWCADLKE Code 4.8.10.

5. Quality Conformance and Lot Sampling Inspection:

All inspection actions will be documented with the actual measurements and or findings recorded per the contractor's established procedures. If quantities are such, that sampling inspection would be advantageous to the supplier and not disadvantageous to the Government, then the sampling procedures set forth in ANSI/ASQC Z1.4 and as described herein may be used. The interpretation and implementation of any sampling plan must be acceptable to the Government, who reserves the right to reject any proposed sampling scheme deemed to be inappropriate. If the sampling plan is considered unacceptable, 100% inspection shall apply.

a. Definitions:

1. **100% inspection** is defined as inspection *all* features, attributes, and/or requirements on all parts produced and documenting the same.
2. **100% inspection of critical features** is defined as inspection of those features, attributes, and/or requirements classified as Critical on the drawing or within the technical specification for every part of every lot.
3. A **lot Sample** is defined as a subset of a production lot randomly selected in accordance with an established sampling plan.
4. **Sampling inspection per an established Acceptable Quality Level (AQL)** is defined as inspection of *all* features, attributes and/or requirements on *all* parts of lot sample corresponding to the AQL. This may be further defined by specifying an AQL for attributes classified as Major and Minor.
5. **Sampling inspection of a Major characteristic** is defined as inspection of *all* of the those features, attributes, and/or requirements identified as Major on all parts within a given lot sample, in which the lot sample size is determined by the Acceptable Quality Level (AQL) specified for Major characteristics.
6. **Sampling inspection of a Minor characteristic** is defined as inspection of *all* of those features, attributes, and/or requirements not identified as Critical, Major, or Important Minors on all parts within a given lot sample, in which the lot sample size is determined by the Acceptable Quality Level (AQL) specified for Minor characteristics.
7. **Important Minor Characteristics** are defined as those items not identified as critical or major but are identified by their feature description(s) in the sampling plan below.
8. **Sampling inspection of Important Minor characteristic** is defined as inspection of *all* of the those features, attributes, and/or requirements identified as Important Minors on all parts within a given lot sample, in which the lot sample size is determined by the Acceptable Quality Level (AQL) specified for Important Minor characteristics.

b. Sampling Plan

Using the definitions and constraints described herein, the contractor may use a sampling inspection in accordance with ANSI/ASQC Z1.4. Switching procedures must be a part of the contractor's sampling plan as described in ANSI Z1.4, paragraph 8. Sampling inspection will be as described in ANSI/ASQC Z1.4 for Single Sampling using a general inspection level of II. The sampling plan used by the contractor will adhere to the following Acceptable Quality Levels (AQL):

Critical Characteristics: 100% inspection

Major Characteristics: 100% inspection

Important Minors (not already identified as critical or major):

1. Dimensional features with a tolerance range of +/- .005 or less: AQL is 1.0
2. Geometric feature controls with a tolerance range of .003 or less: AQL is 1.0
3. True position feature controls with MMC permissible and a tolerance range of .003 or less: AQL is 1.0
4. Class 3 threads: 100% Inspection
5. Surface finish of 16 or less: 100% Inspection
6. Attributes for plating, hardness: 100% Inspection
7. Validation of MPR requirements when applicable: 100% Inspection
8. Non destructive testing: 100% Inspection

Minor Characteristics: AQL is 2.5

6. Certificate of Quality Compliance:

The contractor will prepare a Certificate of Quality Compliance (COQC) per the terms specified in the contract and shall forward an information copy of the COQC to the Naval Air Warfare Center Aircraft Division Lakehurst (NAWCADLKE), QA Branch, Code 4.8.13. 2, Lakehurst, NJ 08733-5035. FAR 52-246-9000 applies.